

Preliminary Amendment

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at external display device 30 are discussed in the Bluetooth Specification v.1.0B. The lowest layer is the radio layer 70, which provides an interface between the host devices and the Bluetooth chip. Above the radio layer is the baseband layer 72 which specifies the procedures to support the exchange of real-time voice and data information streams and networking between Bluetooth devices. Above the baseband layer 72 is the Link Manager 74 which is used for link set-up, security and control. The Logical Link Control and Adaptation Protocol (L2CAP) layer 76 supports higher-level protocol multiplexing, packet segmentation and reassembly, and conveying the quality of service information. An Applications layer 90 is the highest layer in the Bluetooth protocol. Data 78 passes between the L2CAP layer 76 and the Applications layer 90 via one or more of the following interfaces: TCP/IP 80, HID (human interface device/host interface device) 82, or RFCOMM 84 (discussed at Part F1 of the Bluetooth Specification). A control sequence 86 passes between the Link Manager 74 and Applications layer 90 to set up the Asynchronous Connection Link (ACL) between Bluetooth devices and provides a pathway for the Applications layer 90 to send control information, such as to notify Link Manager 74 that a packet was lost. An audio component 88 of the multilayer protocol stack 65 handles any audio to be transmitted to the external display device.

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